

## SOUTH AFRICAN RADIO LEAGUE NEWS FOR SUNDAY 19 JUNE 2022

Good morning and welcome to the weekly news bulletin of the South African Radio League read by ..... [your name, call sign and QTH]

The South African Radio League broadcasts a news bulletin each Sunday in Afrikaans and in English at 08:15 and 08:30 Central African Time respectively on HF and various VHF and UHF repeaters around the country. The bulletin is relayed on Echolink by Johan, ZS6JPL. The audio bulletins can be downloaded from the League website at <http://www.sarl.org.za> while the text bulletin can be downloaded from <https://sarlnnewsbulletin.wordpress.com>. To join the MailChimp bulletin mailing list, send an e-mail to the SARL Secretary. While the problems experienced by some members accessing the SARL web pages are being attended to, an additional channel is now available. To download the weekly SARL News audio recordings and to listen to, or download Amateur Radio Today, log on to [www.amateurradio.org.za](http://www.amateurradio.org.za).

In the news today:

HOLDING THUMBS FOR THE JEUGLAND ARC

FEEDBACK ON THE MAY RAE

and

1240 - 1300 MHZ: ITU-R WP5A MEETING REPORT

Stay tuned for more information on these and other interesting news items.

The SARL News Team congratulates Dennis, ZS4BS on the publication of HF Happenings 1000 this past week. Issue no 1 was published about 20 years ago.

And Happy Father's Day to all the fathers out there!

HOLDING THUMBS FOR THE JEUGLAND ARC

IARU Region 1 has announced the finalists of the first HAMChallenge. Region 1 says, "We received a lot of contributions, it has not been easy for the jury to preselect five proposals for the finals." For the final selection, the jury has chosen the following proposals:

5B4AHZ for "Escape Rooms," EA4HDN for "AM BoB," HB9FEU for "A public database of fun projects for innovation," IU2FRL for "UrgenSat" and ZS6GUY for "A Workbook that will showcase various aspects of the hobby." Contributions were done by individuals or teams, only one person per team is mentioned above.

The five selected proposals now have up to 22 June to prepare a short video presenting their project and a document explaining the proposed next steps to make their proposals a reality. They should be ready for a short Q&A session to be scheduled during HAM Radio 2022, either online or in-person. Finally,

we thank all participants for their interest and invite everyone to prepare a contribution for next year. We will need to continue to innovate and prepare the future of amateur radio.

#### RADIO ZS CELEBRATES 75 YEARS IN JULY

Thank you to Heather, ZS5YH; Eddie, ZS6BNE; Brian, G0GSF; Hans, ZS6AKV; Tom, ZS1TA; Stewart, ZR6WT (2 articles); Daniel, VE7LCG (2 articles), Woody, ZS3WL and Louis, ZS6SK for your articles for the special 75th anniversary issue of Radio ZS. Members and Clubs are invited to submit articles for this special issue, send your article to [radiozs@sarl.org.za](mailto:radiozs@sarl.org.za) in MS Word or OpenOffice format. The closing date is Friday 24 June 2022.

Were you born in July 1947? If so, please submit a photo of yourself for inclusion in the 75th Anniversary issue.

#### FEEDBACK ON THE MAY RAE

The May RAE was held on Saturday 21 May 2022. A total of 106 candidates registered and paid to write the RAE, 99 for Class A and 7 for Class B with 1 candidate from Namibia. 74 candidates passed, 10 failed and 22 did not attend the exam. 24 people registered for the exam but did not pay and opted out before the exam. So, a total of 130 people registered but only 74 candidates wrote and passed.

On Saturday 11 June 2022, the ZS3ZU Hammies held a Class B RAE in Prieska with 7 candidates. All 7 passed. Three of these candidates ran the ZS3ZU station for the Hammies Sprint on the Sunday 12 June. They are Charles Coetzee, ZU3CEC; Ethan Oberholzer, ZU3EO and Henry Coetzee, ZU3HC. They will be issued with a special certificate of participation by the Contest Committee.

#### IARUMS NEWSLETTER - INCREASE IN UNIDENTIFIED INTRUDERS

The IARU Monitoring System (IARUMS) Region 1 newsletter reports an increase in unidentified intruders in the amateur radio bands following Russia's invasion of Ukraine. The newsletter notes that radars, (OTR, over the horizon) continue to be the most numerous and harmful intrusions in our bands. The OTR Contayner from Russia with a bandwidth of 12 kHz, tops the list of the most frequently received radars, followed by the Iranian OTH radar, which broadcasts daily on 28,860 kHz with a bandwidth of 45 kHz and then the British OTH radar located at the Sovereign Base Area in Cyprus with a bandwidth of 20 kHz.

But also, coinciding the beginning of the war in Ukraine, these last months and also during May we have been receiving signals whose function we have not yet been able to identify. As these signals are unknown, we report them as "XXX". The most common one has a bandwidth of about 8 kHz, seems to consist of a central carrier and is most frequently found in the 20 and 40 meter bands.

The International Amateur Radio Union Monitoring System (IARUMS) Region 1 May 2022 newsletter can be read at [www.iaru-r1.org/wp-content/uploads/2022/06/IARUMS-R1-Newsletter-2022-05.pdf](http://www.iaru-r1.org/wp-content/uploads/2022/06/IARUMS-R1-Newsletter-2022-05.pdf)

You are listening to a news bulletin of the South African Radio League.

#### 1240 - 1300 MHZ: ITU-R WP5A MEETING REPORT

The IARU reports on the recent meeting of ITU-R WP5A, the lead group responsible for developing the Conference Preparatory Meeting report on the WRC-23 agenda item on the 23 cm band. The latest meeting of WP5A concluded on 2 June 2022 and the IARU was represented by Ole Garpestad, LA2RR and Barry Lewis, G4SJH. ITU-R WP5A is the study group at ITU which deals in part with topics related to the amateur and amateur-satellite services. It is the lead group responsible for developing the Conference Preparatory Meeting (CPM) report on agenda item 9.1(b).

This agenda item provides for a "Review of the amateur service and the amateur-satellite service allocations in the frequency band 1240 - 1300 MHz to determine if additional measures are required to ensure protection of the radio navigation satellite (space-to-Earth) service operating in the same band in accordance with Resolution 774 (WRC-19);" The CPM Report will form the basis for consideration of this issue at WRC-23 next year.

At the conclusion of the recent WP5A meeting a draft recommendation was prepared which will provide guidelines to administrations to ensure the protection of the RNSS primary allocation from the secondary amateur and amateur satellite services. The draft recommendation will be the most important element of the WP5A work going forward for the amateur and amateur satellite services in the 23 cm band. The working document contains a number of proposals for severe limitations on amateur usage of the band including transmitter power constraints. Very low power levels are proposed for large portions of the band (100% in one case). Proposals also identify possible frequency band usage limitations for broadband applications (e.g., ATV), narrowband applications and amateur satellite services in 1260 - 1270 MHz.

None of these proposals are adopted at this time and work will continue at the next meeting of WP5A to rationalise the variations proposed by national telecom-administrations. The IARU will work to minimise the constraints on amateur radio activities and continue to seek amendments to the draft recommendations through the ITU process, but as a secondary user, radio amateurs should understand the need to protect the radio navigation satellite service (RNSS) in many consumer and industry applications (like autonomous vehicles) that will lead to some restrictions on our use of the 23cm band.

#### THE RESULTS OF THE SARL VHF/UHF FM CONTEST

Twenty-one logs were received for the second leg of the SARL VHF/UHF FM Contest held on Saturday 4 June 2022.

1st the Port Elizabeth ARS, ZS2PE (operated by Kevern, ZR2BK, Donovan, ZS2DL, Shaun, ZS2SG and Dave, ZS2DH) - 12 459 points

2nd Kobus Boshoff, ZS6BOS - 6 436 points

3rd Pierre Holtzhausen, ZS6PJH - 6 122 points

The longest distance worked on 6 metres was 84 km, on 2 metres, it was 168 km and on 70 cm, it was 127 km.

#### PROPAGATION REPORT

Hannes Coetzee, ZS6BZP, reports that the solar activity is expected to be at low to moderate levels. There are currently nine sunspot regions visible and there is a high chance of C-class, and a slight chance of M-class flaring. If you want to do your own frequency predictions, the expected effective sunspot number for the week will be around 88. The 12 to 30 meter bands will provide some good DX fun. Please visit the website [spaceweather.sansa.org.za](http://spaceweather.sansa.org.za) for further information.

Finally, a diary of some upcoming events:

Today – Father’s Day

21 June – the Winter Solstice at 11:13 CAT and the closing date for Youth Logs

23 June – the closing date for Club Contest Logs

24 June – The provincial schools close for the winter holiday

24 to 26 June – the Ham Radio Exhibition at Friedrichshafen, Germany

25 June – the Sandton ARC Antenna day at the NARC

25 and 26 – the ARRL Field Day

30 June – The Sandton ARC Talking Tech Power Hour at 19:00 CAT on 145,700/Echolink

1 July – the start of the 2022/23 SARL Financial year and registration for October RAE opens

2 July – the SARL Newbie Contest

3 July – the ZS5 QSO Party

7 July – International Chocolate Day and the closing date for Newbie Logs

8 July – the closing date for ZS5 Logs

To conclude our bulletin, a recap of our main news story:

IARU Region 1 has announced the finalists of the first HAMChallenge. The five selected proposals now have up to 22 June to prepare a short video presenting their project and a document explaining the proposed next steps to make their proposals a reality. They should be ready for a short Q&A session to be

scheduled during HAM Radio 2022, either online or in-person. We are folding thumbs for the Jeugland ARC!

This concludes our bulletin for this morning.

We invite clubs and individuals to submit news items of interest to radio amateurs and shortwave listeners, in both English and Afrikaans, if possible, by following the News Inbox link on the South African Radio League web page. News items to include in the bulletin should reach the news team no later than the Friday preceding the bulletin date.

You are welcome to join us every Sunday morning for the weekly radio program, Amateur Radio Today at 10:00 CAT. The program can be heard on VHF and UHF repeaters countrywide and on 7 082 kHz lower side-band. A rebroadcast by Andy ZS6ADY, can be heard on Monday evenings at 19:30 CAT on 3 620 kHz.

We welcome your signal reports, comments and suggestions; please send these by email to [artoday@sarl.org.za](mailto:artoday@sarl.org.za).

You have listened to a news bulletin written by Andy Cairns, ZS6ADY, proof read by Paul Johnson, ZS1S and read by .....

From the news team, best wishes for the week ahead.